

Dr. Bell, Lunar Receiving Laboratory, Will Speak To Health Physics Society



Dr. P. R. Bell

Dr. Persa R. Bell, director of the Lunar Receiving Laboratory of the Manned Space Flight Center, Houston, will return to Oak Ridge next week for an address. He will speak before the East Tennessee Chapter of the Health Physics Society at the Holiday Inn, Thursday, October 2. His subject will be "The Analysis of Lunar Samples and Sample Quarantine."

Dr. Bell, a native of Ft. Wayne, Indiana, received his BSc at Howard College. He joined the staff of the NDRC Project Chicago working in the field of high-speed counters. He was called to the Radiation Laboratory at MIT from 1941 until 1946. He quickly became the laboratory expert on micro-wave receivers; many of the radar receivers that were produced in large quantities for military applications were based upon models conceived and built by Dr. Bell. He came to Oak Ridge in 1946 and immediately applied the wartime radar techniques to nuclear instruments such as linear amplifiers, scalars, and analyzers. At the same time he became involved in fundamental investigation on ionization chambers and geiger counters. He was one of the first to recognize the importance of scintillation counters and proceeded to improve them and apply them to the measurement of beta and gamma ray spectra. His reputation in the field of nuclear instrumentation was recognized worldwide and he represented the United States on yearly instrumentation conferences with England and Canada. The application of scintillation scanners to the field of nuclear medicine is largely due to the work of Bell and his

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Lost-Time Accident Suffered Sept. 16

Y-12 registered its third lost-time accident of the year last week when a machine maintenance man in the Fabrication Division fell from a vertical turret lathe. He caught his foot in the chip pan, fracturing his leg above the knee, and sustaining a sprained knee. Safety officials stated that the accident would have been more critical had the employee not partially braked his fall with his hands.

He is in traction in the hospital and it is estimated that his stay there will be of about six weeks' duration.

The accident, which occurred on Tuesday, September 16, ended a string of 22 accident-free days, or approximately 714,000 man-hours.

United Fund Set To Open October 1

General chairmen for the 1969 United Fund for Union Carbide includes J. K. Denton, Y-12 . . . Marion Randolph, ORGDP; and Roy Pruett, ORNL. Y-12's budget this year is \$102,000 some 12 per cent higher than the 1968 attained goal. 'We feel that we can do it,' was the comment from Denton last week.

In next week's Bulletin more details on the drive will appear in a special edition.

Come Fly With Me!

Andrew Higgenbotham is interested in taking pilot training. An instructor from Oneida states that group instructions are more economical, so Andy says he's looking for others interested in learning to fly. Instructions would be locally at McGee-Tyson. Higgenbotham can be reached on extension 3-5081, or Knoxville 435-2804.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

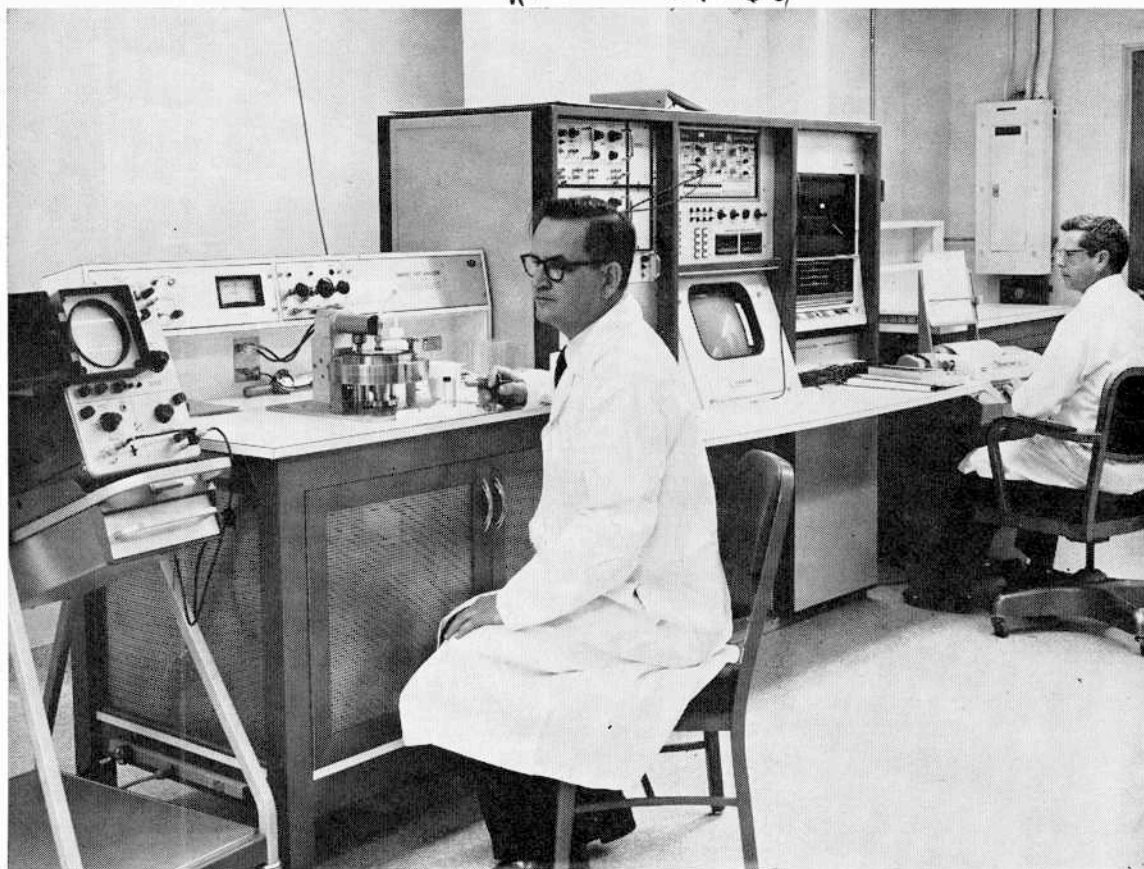
Five Days Or 140,000 Man-Hours

(Unofficial Estimate)

Through September 21

Without A Disabling Injury

SAFETY AT HOME, AT WORK, AT PLAY



DR. NORMAN G. ANDERSON, director of OFNL's MAN program is seen at the GeMSAEC Fast Analyzer, an automated multi-sample spectrophotometer which he developed. The analyzer has been named among the nation's 100 most significant new technical products of 1969 in the Industrial Research 100 Competition. W. W. Harris, right, is at the computer.

GeMSAEC Fast Analyzer Named Among Nation's Top New Products For 1969

The GeMSAEC Fast Analyzer, an automated multi-sample spectrophotometer developed at Union Carbide Corporation's Nuclear Division, has been selected among the nation's 100 most significant new technical products of the year

in the 1969 Industrial Research 100 Competition.

The spectrophotometer, generally known by the acronym "GeMSAEC" because of the project's sponsorship by the National Institute of General Medical Sciences

and the U.S. Atomic Energy Commission, was cited by Industrial Research Magazine's Editorial Advisory Board for its importance, uniqueness, and usefulness in its field. Union Carbide Corporation had two other winners—a miniature radioisotope generator developed at the Corporation's research and development facilities at Tuxedo, New York, and a laser developed at the Korad Department of the Corporation's Electronics Division at San Diego, California.

According to its principal developer, Dr. Norman G. Anderson, Director of Oak Ridge National Laboratory's Molecular Anatomy (MAN) Program, the GeMSAEC greatly increases the precision and possible number of simultaneous tests that can be performed in an industrial or clinical laboratory.

GeMSAEC may be adapted to a large fraction of present biochemical research and clinical assays, he said. "It will also have applications in most industrial tests that are photometric or colorimetric in nature."

Dr. Anderson and W. W. Harris, of the MAN Program, and D. N. Mashburn of the Oak Ridge Gaseous Diffusion Plant are in Chicago September 18 and 19 to represent the Nuclear Division at a special awards ceremony.

John A. Swartout, Corporate Vice President of Research and Development, will accept the award on behalf of the Corporation.

The GeMSAEC is one of several significant technical contributions developed at ORNL's MAN Program, with assistance from other Nuclear Division facilities, particularly the Oak Ridge Gaseous Diffusion Plant.

The present model utilizes a uniquely designed centrifuge with

Continued on Page 4



THE NEW ATOMIC ENERGY COMMISSION, after Dr. C. E. Larson was taken in are seen at a recent meeting. From left are Dr. Theos J. Thompson; Wilfrid E. Johnson; Chairman Glenn T. Seaborg; Dr. C. E. Larson; and James T. Ramey. Dr. Larson was installed September 2 as a commission for a five-year term.

The Bulletin

Published Weekly For The
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CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor



American Association Industrial Editors

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Katheryn Dumas, Engineering, Dies

Mrs. Katheryn Nelson Dumas, a secretary in the Engineering Division, died Friday, September 12 after a four months' illness. A native of Chanute, Kansas, she came here August 24, 1953.

The Dumas home is at 118 Virginia Road, Oak Ridge, where her husband, John R. Dumas, survives. Her only other survivor was a sister, Mrs. Edward Rhodes, Chanute.

Funeral services were held Sunday, September 14 at 2 p.m. in Weatherford Funeral Home, Oak Ridge. Her body was cremated and burial was in Elmwood Cemetery, Chanute. The Reverend T. M. Cody officiated at the Sunday rites.

Mrs. Dumas graduated from a junior college in Parsons, Kansas. She worked at the Chanute Tribune as a society editor. She married in 1946 in Fort Worth, Texas. Her husband, a gas line inspector, worked in several locations coming to Oak Ridge in 1953 when she came to work here.

Sincere sympathy is extended Mrs. Dumas's family and friends.

As Your Family Grows—So Do Your Assets!

As your family grows . . . income increases, debts decline. Although no simple formula exists for families to use in determining how much debt they can safely carry, recent studies by the Department of Agriculture show ratios based on several averages suggest certain guidelines. The guidelines reflect average income, expenditure, debt and liquid assets for four broad age groups in the early 1960s. A study by the National Consumer Finance Association shows how debt to income ratio declines as families grow. For young families (head under 35 years) current expenditures averaged slightly more than current income. The breadwinner in families in this group, on the average, will gain increased income but also greater responsibilities and heavier expenditures. The study shows that as a family grows older, they own more and owe less and their assets generally increase. The trick is to own more and owe less and still be young enough to enjoy the comfort of financial stability.

STARTLING SIMILARITY

'Gosh, it's just like in Romeo and Juliet. My father really hates you,' the young maid said to her boy friend.

AAUW Announces Film Schedule

The American Association of University Women International Film Series is pleased to open its 11th season with the award-winning British film "Darling." Starring Julie Christie, who won the 1966 best actress academy award for this role, Laurence Harvey, and Dirk Bogarde, this movie presents a biting satire of life and love among today's international "jet set."

Oak Ridge may see this powerful, explosive adult film at 8 p.m. Sunday, October 5, at the Robertsville Junior High School auditorium.

Also scheduled for the 1969-70 season is the 1967 Japanese release "The Bell." A visual-gag comedy in the tradition of the best of silents, this is an up-to-the-minute rollicking romp of four young people of Japan's "Pepsi generation."

The murder mystery "The Spiral Staircase" will grip the audience in suspense while they view the bedridden Ethel Barrymore and mute Dorothy McGuire turn in outstanding performances.

Due to their popular appeal to entire families, three Great Comedy Favorites from the American silent era will be shown at a special afternoon matinee in addition to the evening show. The only Laurel & Hardy film to win an academy award, "The Music Box," Charlie Chaplin's famous "Burlesque on Carmen," and W. C. Fields in "The Barbershop" will keep the audience in continuous laughter.

Climaxing the current season will be the Italian Federico Fellini's "8½," one of the brilliant cinema works of our time. The masterwork of one of the great film makers won academy awards as best foreign language film and best costume design and has Marcello Mastroianni, Claudia Cardinale, and Anouk Aimee turning in first rate characterizations.

Season tickets may be obtained from any member of the AAUW or ticket chairman, Mrs. Nathan Wilson, 100 Oklahoma Avenue. Single admissions may be purchased at the door prior to each performance.

Proceeds from the film series go entirely to the AAUW fellowships program which makes financial aid available to American women seeking higher academic degrees and foreign women undertaking postdoctoral research and study in the United States.



JENNIFER LYN Gregory is the first grandchild for Luther A. Walton, Buildings, Grounds and Maintenance Shops. Her father G. A. Gregory is in the TAT program in machining. An uncle Howard J. Rash Jr. also works in Y-12. Jenny was born February 25.

UNITED FUND
CARBIDE'S GOAL
\$270,000

LAUNCHED THROUGH THE EFFORTS OF UCND EMPLOYEES

Chemistry Develops New Plastic Blade

The Manufacturing Chemists Association reports that more 100,000 Americans are injured each year operating power mowers. At least that many more have to pay for a ruined engine when the blade strikes and object and bends the crankshaft.

A new flexible plastic blade has been perfected, says MCA, that solves both problems. It cuts all types of grass but bounces off hard objects, such as a rock or the operator's foot.

The blade is an extremely tough and durable elastoplastic material that combines the best qualities of plastics, rubber and metal.

Badge Swap Starts Next Week, October 1

The Badge & Pass Office says new quarterly exchange badges will go in the racks next Wednesday, October 1. The yellow-bordered badges will stay in the self-service racks until Wednesday, October 15.

Y-12ers swap their means of identification every quarter as a radiation monitoring check.

Budget Requests For United Fund Agencies Carefully Evaluated

Who decides how much money a United Fund agency is to receive? Is the money "doled" out haphazardly or are thought and consideration given to the needs of each agency?

The United Fund is not an "October Wonder!" It is organized; it has responsible leaders and directors; it is **not** charity. United Fund dollars are an **investment** in a growing community.

To determine what the financial need would be during 1970, each agency compiled and submitted, in late winter, a budget to the United Fund budget committee. This information included items such as the amount of money spent by the agency during the previous two years, salary costs, cost of up-keep on facilities, sources of revenue, description of the services offered by the agency and other items pertinent to an operating budget.

After digesting this information the budget committee, composed this year of Frank R. Bruce (chairman), Mary C. Meyer, W. W. Grigorieff, N. L. Beeler, and Ronald Rietdorf, interviewed budget representatives from each agency. During these interviews each agency's budget was discussed thoroughly and evaluated.

At the conclusion of these interviews a series of meetings were held by the committee to adopt a UF budget for Anderson County. The committee found itself working many evenings and Saturday afternoons in order to give proper consideration to the monetary requirements of each agency and to adopt the budget for 1970. Finally, the committee arrived at \$280,000 for the coming year. This was then sent to the United Fund board of directors where it won approval.

There are several reasons for the increased budget, which is approximately \$42,000 larger than the amount collected last year. First, two full-time agencies have been added—Youth Haven and Planned Parenthood. Many of the agencies are also offering increased services and are serving more people. In addition, the cost of conducting business has increased over last year. Another major factor influencing the increased budget is that more and more of the agencies are extending their services to those who cannot afford to pay for them. This, of course, is the essence of the United Fund spirit.

"One thing the budget committee did this year was to urge agencies to charge those individuals who could afford to pay," according to Bruce. He further stated that, "The budget committee was conscious of the amount of money each agency was sending outside the county in the form of national and state dues. In cases where these dues seemed excessive, the agency was asked to reduce this expenditure." In a few cases, however, the budgets of some agencies were increased.

The following tables, prepared by the UF budget committee, point out the growing need of the United Fund, as well as explaining how contributions are to be distributed.

UNITED FUND GOALS		
Year	Goal	% Change
1965	\$124,000*	
1966	160,000	29.
1967	180,000	12.5
1968	190,000	5.6
1969	229,500	20.5
1970	280,000**	22.0

*15 agencies + American National Red Cross (2 chapters)

**19 agencies + American National Red Cross (2 chapters)

BREAKDOWN OF 1969 TO 1970 BUDGET INCREASES OF UF AGENCIES

Increased Cost of Doing Business	\$ 6,680
Increased Service	15,825
Unusual Expenses	2,280
New Agencies	10,749
Other	6,280

TOTAL \$41,814

SUMMARY OF UNITED FUND 1970 BUDGET

	Dollars	% of Budget
Youth Organizations	\$106,150	38
Help for the Handicapped	56,500	20
Help for the Underprivileged	11,300	4
Community Service	85,161	31
Administration, Drive Expenses, Shrinkage	20,889	7
TOTAL	\$280,000	



OLD SLEEPYHEAD Leonard Ray Brown was born June 24 to Mr. and Mrs. Robert Brown, Lenoir City. He is the grandson of J. L. Ailey, Alpha Five Processing.

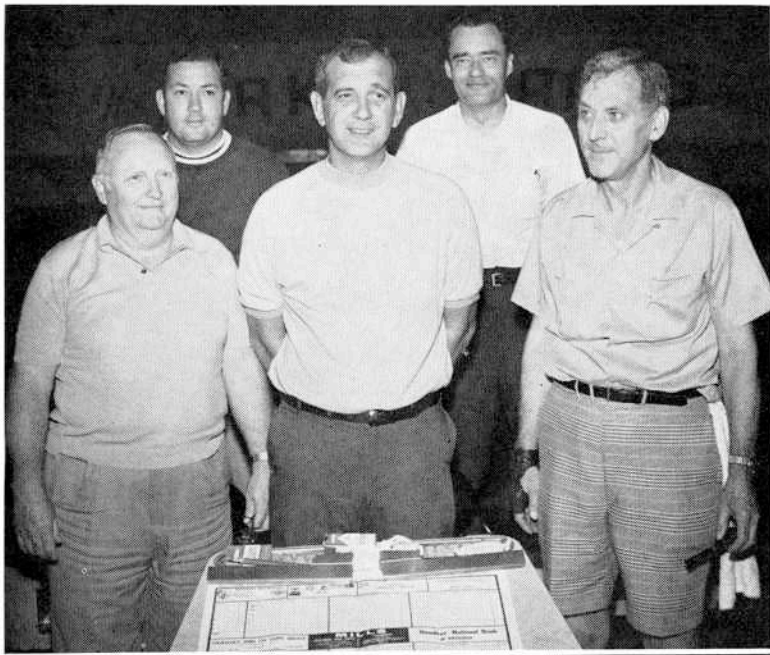


Will join car pool from West Knoxville area, 4309 Lamour Road, to East Portal, straight day. Lloyd Krohn, plant phone 3-5226, home phone Knoxville 457-3946.

Riders wanted from Lenoir City to any portal, straight day. Carl Manis, plant phone 3-5308, home phone Lenoir City 986-3383.

Riders wanted from Fountain City, Arlington Area, Knoxville, to any portal, straight day. F. E. Clevenger, plant phone 3-5095, home phone Knoxville 522-7393.

Ride wanted from Oak Ridge Highway section, Knoxville to West Portal, straight day. L. E. Carey, plant phone 3-5403.



THE BIG ROLLMASTERS and Big Five line up for the opening of the 1969 C League bowling story. At the top are the Rollmasters . . . from left . . . George Cantrell, captain; Don Stinnett, Frank Winstead, George Bailey and C. W. Craven. In the lower photo are the Big 5 . . . Norm Jarvis (in back), Jay Sewell, Ed Sise, Jack Smiddy and Billy Sise, captain.

HiLifers, Parbusters, Rounders Hit Peak To Share C Bowling Alley Topslot

A three-way tie has developed in the C Bowling League after last week's plays. All three top teams took sweeping four-pointers from opponents in the second week of play. The HiLifers hit the Go Go Gophers, the Parbusters

put the Fireballs down and the Rounders routed the Royal Flush. Other four-pointers went to the Anodes over the Sunflowers and the Instrument Engineers over the Badgers.

Sharing two were the Big Five and the Rollmasters.

John Bryan, Rounders, rolled a 236 single, 594 series . . . in scratch counting. Handicap honors went to Max Bezik, Anodes, with a single of 275, series of 698.

The Rollmasters rolled high singles . . . 949 scratch, 1057 handicap. Their scratch series of 2594 was high also. The Instrument Engineers posted high handicap series with 3043.

League standings follow:

Team	W	L
HiLifers	7	1
Parbusters	7	1
Rounders	7	1
Big Five	6	2
Rollmasters	5	3
Anodes	5	3
Instrument Engineers	5	3
Badgers	4	4
Go Go Gophers	1	7
Fireballs	1	7
Sunflowers	0	8
Royal Flush	0	8

Table Tennis Starts Sessions For Practice

Practice sessions began in the Table Tennis Leagues Monday, September 22 . . . at the Wildcat's Den, Oak Ridge.

Sessions will also be held Monday, September 29, and October 6 . . . with play set to begin October 13.

Interested Y-12ers should appear at 7 p.m. Monday at the Den to get their names in the pot.

Y-12ers Sweep September Skeets

Y-12ers swept top honors in the September Skeet Tournament fired Sunday, September 14.

Jack Case led skeeters with a 49.629 handicap score . . . followed by J. Comolander and Charlie Asmanes . . . with 49.422 and 48.556 respectively.

Three other Y-12ers fired high, but were shooting under penalty, due to previous winnings.

October's skeet is set for Sunday, October 26 . . . at 1 p.m. on the Oak Ridge Sportsmen's Association range. Any Carbilder interested in skeet firing is invited out. A handicap system of scoring . . . plus penalties for winnings . . . keep the competition lively enough to make it interesting to newcomers.

September firings:

Firer	H/C Score
B. Powers, Y-12	47.531
C. Harding, ORNL	48.263
C. Brewster, Y-12	48.524
J. Case, Y-12	49.629
B. Etheredge, Y-12	48.786*
T. Webber, Y-12	46.893
C. Asmanes, Y-12	48.556
B. Searls, Y-12	48.130
J. Comolander, Y-12	49.422
P. Bullard, Y-12	50.000*
V. Raaen, K-25	48.429
F. Patton, Y-12	48.313
W. Eathersby, Y-12	49.731*
W. Davy, K-25	47.391

*Previous Winner, under penalty.

Recreation



Monday, September 29

BOWLING: C League, 5:45 p.m., Ark Lanes.

TABLE TENNIS: Practice Session, 7 p.m., Wildcat's Den.

Tuesday, September 30

PHYSICAL FITNESS (For Men): 7-9 p.m. Oak Ridge High School Gym.

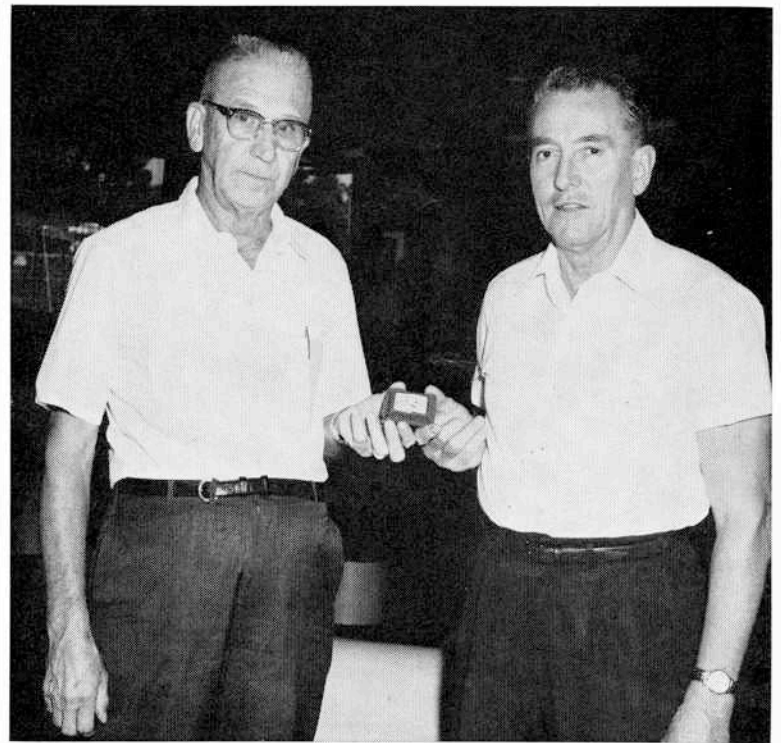
Wednesday, October 1

22 CALIBRE RIFLE LEAGUE: 7 p.m. Oak Ridge Sportsmen's Association Indoor Range.

BOWLING: Mixed League, 8 p.m. Ark Lanes.

Thursday, October 2

BOWLING: Classic League, 5:45 p.m., Ark Lanes.



HOWARD SCHULTZ, left, receives a belt buckle from Roy Roberts for being the most improved bowler in the Classic League last year. Schultz's average increased by an even dozen pins. Roy, who retires next week, is secretary-treasurer of both the Classic and C Bowling Leagues.

Norm Jarvis, George Reece, Post High Games And Series In Classic Bowling

The Classic Bowling League remains tied for the second week . . . as the Bumpers and Eightballs shared two points last week (they led the league prior to that duel.)

The only four point win of the week was the Markers over the Pinbusters. Big three point wins went to the Playboys over the Rebels, the Has Beens by the Tigers and the Splinters over the Screwballs. The All Stars took the Screwballs for two and one-half points.

Norm Jarvis, Rebels, set singles afire with a 242 scratch game. George Reece, Splinters, rolled a 261 handicap single. His series of 638 scratch, 755 handicap were high also, naturally.

The Has Beens had high singles . . . 980 scratch, 1078 handicap . . . and the Swingsters swung into winning series with 2747 scratch

. . . but the Splinters put down a 3076 handicap series score!

League standings follow:

Team	W	L
Bumpers	9	3
Eightballs	9	3
Cubs	8	4
Playboys	8	4
Rippers	7½	4½
Markers	7½	4½
Rebels	7	5
Has Beens	7	5
Splinters	7	5
All Stars	6½	5½
Swingsters	5½	6½
Smelters	5	7
Tigers	4	8
Screwballs	2½	9½
Eagles	2	10
Pinbusters	½	11½

Melton Hill T-Men Stage Final Match

The Melton Hill Golf League wound up their big season last week with a Captains Tournament, staged Wednesday, September 17.

The team of Walt Sherrod, B. E. Rowland, Jay Sewell and Harold Bell carded the low handicap score of 147 . . . low of the league. Bell's 33 was low on the team.

F. B. Parrott, O. H. Dunaway, Dick Wyrick and Harold Alvey put a 150 score under the books . . . and Dale Phillips, Jim Morehead, Herm Stewart and Bobby Carter scored a 154. Carter's 36 was low and Wyrick's 33 was low on these teams.

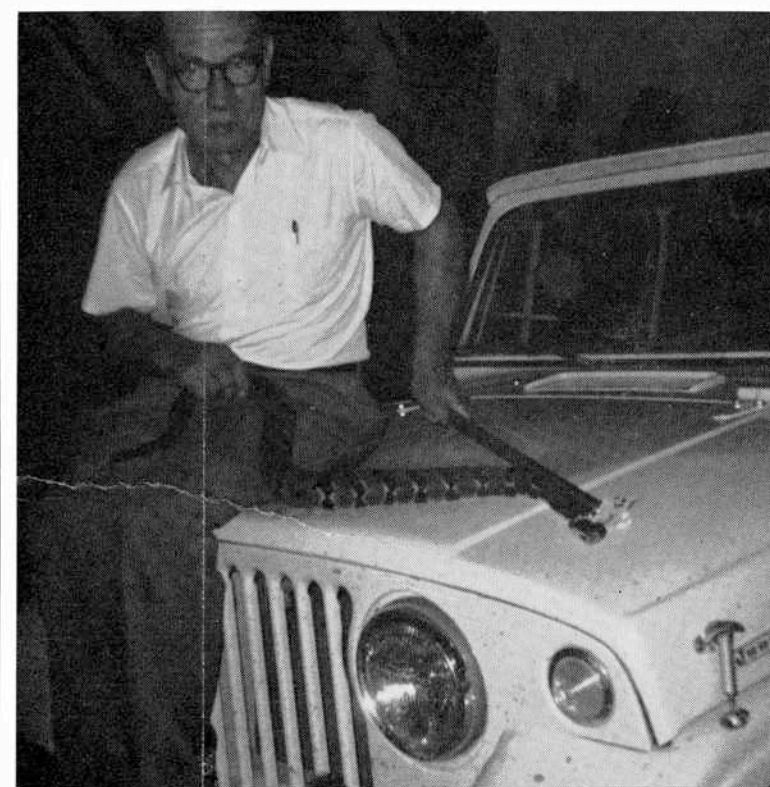
The matches were followed by an excellent meal in the Club House dining room.

Awards for season's play were presented by Harold Alvey, league president.

22 Calibre Rifle League Fires Next Week

The initial match of the Carbide Fall 22 Caliber Rifle League will be fired next Wednesday, October 1, at the Oak Ridge Sportsmen's Association's indoor range. The first relay will begin firing at 7 p.m., with subsequent relays following at 45 minute intervals. Equipment and instruction will be available for newcomers. A practice match will be held tonight, September 24.

All interested Carbide employees are invited to participate. For further information contact A. S. Quist, extension 3-6304, or W. I. Galyon, 3-5831.



MORE THAN HE BARGAINED for was what Jesse Massengill, Area Five Maintenance, got! He recently went squirrel hunting in mountains above Caryville, and came out with this beauty . . . alive, no less. It was a 20-pound plus, four and one-half feet rattlesnake! . . . with 12 rattlers. Massengill didn't want to kill the monster, so he put him in the Wildlife attraction at the TVA & I Fair in Knoxville recently.

Case-Allmon Take Horseshoe Crown

Final pitches in the Horseshoe League last week gave the top spot to N. O. Case and N. G. Allmon . . . by a mere one point. (Case and Allmon won the first half of the league, too, and claim full title to the league's crown!) They defeated the Bailey-Luckett team last week for the full count of nine.

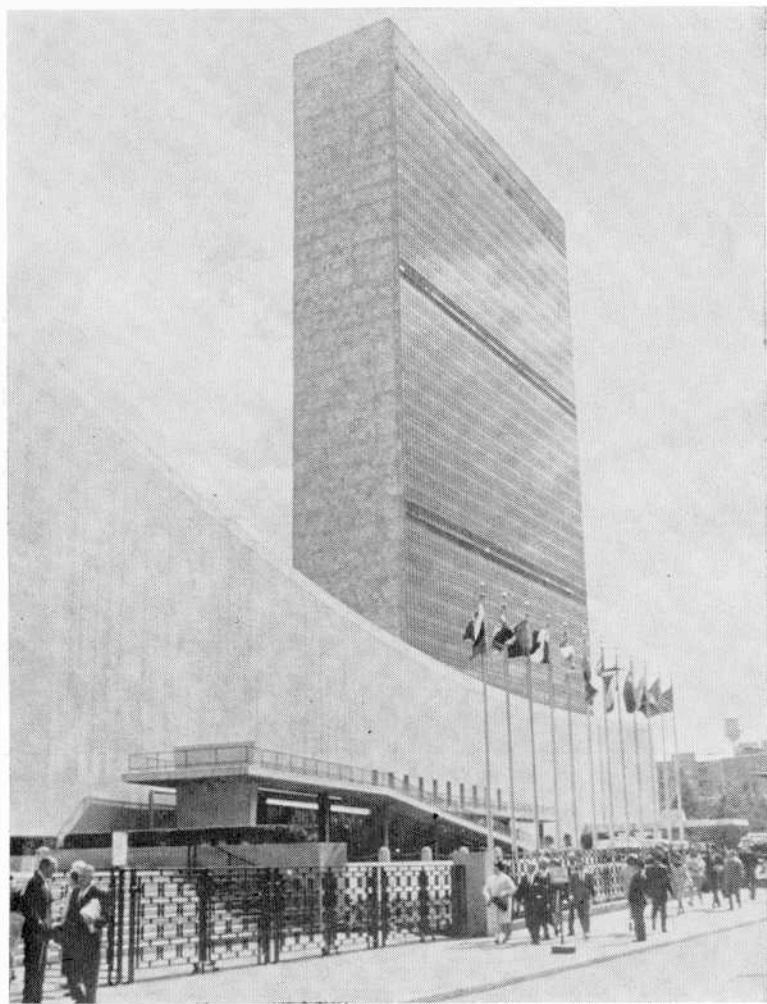
B. D. Reed and H. B. Stephens clipped five from Nichols-Norris to take second place in the league's second half.

R. S. Durham and E. Harness took five from Wyatt-Wagner and nine from Gray-Copeland.

Wyatt Wagner won nine from Helms-Fowler.

Thus the second half ended . . . and a pitch-off was required for the league's second place champ. Durham-Harness edged Reed-Stephens to a score of five to four to take the crown.

Team	W	L
Case-Allmon	50	13
Reed-Stephens	49	14
Durham-Harness	40	23
Wyatt-Wagner	38	25
Nichols-Norris	31	32
Gray-Copeland	23	40
Bailey-Luckett	12	51
Helms-Fowlers	9	54



THE U. N. BUILDING by Peggy Turner

Y-12, Biology Take Salon Tops

Y-12ers and the Biology Division took 53 of a possible 60 awards in the Carbide Camera Clubs' 1969 Salon. Their prize-winning photos and other salon entries are on display at Oak Ridge Community Art Center's gallery on Badger Road through Sunday, September 28.

Gold medals were awarded to three Biology people . . . Lee Andrews—best color slide; Peggy Turner—best color print; Bill Russell—best black and white print.

Club members entered 50 color prints, 100 black and white prints, and 200 color slides of this year's display of their best works. Each of these three divisions is divided into five categories: portraits, pictorial, art and design, nature and wildlife, and "open."

The best entry in each division was awarded a gold medal. First, second and third place, and honorable mention ribbons were awarded in each of the five categories within the three divisions. The prizes were awarded by a committee of five judges: professional photographers Wallace Tillery and John Edwards, artists Ron Castle and Ed Walsky, and amateur photographer John Wood, Atlanta.

The 1969 Salon was arranged by the following Camera Club members: Fred de Serres, Chairman; Lee Andrews, Stan Leibo, Bill Harper, Peggy Turner and Paul Swenson.

Art Center gallery hours for the Salon are: Weekdays 9 a.m. - 1 p.m. and 7-9 p.m. Saturday and Sunday 3-6 p.m.

Color slide entries will be screened during the weekday evening hours. There is no charge to Camera Club or Art Center members. Non-members will be charged a nominal fee.

DISABLED AUTO

If your auto becomes disabled, get off the highway immediately. Place flares or lights to warn other drivers. Raise hood as signal to other motorists that you have ills.

Dr. P. R. Bell

Continued from Page 1
co-workers.

In 1957 Bell joined the controlled thermonuclear project. He undertook a crash program to get an operating exhibit of a contained plasma at the International Conference in Geneva in 1958; had it not been for his tremendous drive and genius our efforts would not have compared so favorably with that of the Russians. He was in charge of the DXC project and brought it to a successful conclusion. In 1967, he moved to Houston to become director of the LRL of the Manned Space Flight Center. The astronauts and samples from the recent lunar landing have been returned to the LRL. Bell's boundless enthusiasm, originality and handiwork have culminated in this most successful facility.

In 1954 he was awarded an honorary Doctor of Science degree by his alma mater, Howard College. In 1964 he was awarded the Longstreth Medal of the Franklin Institute. He holds some 15 patents and has published extensively.

The public is invited to next Thursday's meeting. A social hour begins at 5:30, with dinner at 6:30 and the speech at 7:30 p.m.

Reservations should be made through Max Scott, extension 3-7216; N. D. Barker, 3-3108; Roy L. Clark, 3-1601; Jerome Wing, 3-4113; or James Burgner, ORAU, telephone 433-8411, extension 276.

TCWP Takes Trek Over Proposed Road

"We want the people to see for themselves the beauty of the region and the regrowth of trees in areas described by pro-road forces to be 'so heavily logged and burned over that they are not worth preserving as wilderness,'" said Ray Payne, chairman of the Tennessee Citizens for Wilderness Planning.

The TCWP traversed that region of the Great Smoky Mountains National Park last weekend where the proposed Transpark highway is proposed. The 11-mile circular hike began in the Tremont area, through Buckeye Cove, to Miry Ridge . . . and back into Tremont over the Appalachian Trail.



Autumn begins her long reign as several more Y-12ers cross important thresholds with Union Carbide Corporation. Congratulations.

25 YEARS

Madeline S. Franklin, SS Material Control, September 24.

Beatrice M. Cameron, SS Material Control, September 26.

Robert B. Strickland, Dispatching Department, September 26.

Clifford Patrick, Building Services Department, September 27.

Claude D. Langley, Utilities Administration, September 27.

Mary K. Householder, Production Assay, September 30.

15 YEARS

Nonda D. Evans, Utilities Administration, September 23.

David C. Brown, Utilities Administration, September 24.

George L. Day, Dimensional Inspection, September 26.

Floyd J. Womack, Tool Grinding, September 27.

Leo L. Brown, Mechanical Design Engineering, September 27.

Robert S. McGinnis, Product Engineering, September 27.

John J. Henry, Laboratory Development, September 27.

Jesse H. Thomas, Utilities Administration, September 27.

Ronald M. Hughes, Utilities Administration, September 28.

Andrew W. Maxey, Chemical Engineering Development, September 29.

Richard H. Edington, Utilities Administration, September 29.

10 YEARS

James C. Maples Sr., Assembly Operations, September 28.

James A. Coie, Tool Grinding, September 28.

Jack Johnson, Physical Testing, September 30.

Rollers, Roses Roll In Mixed

The Rollers and Roses & Thorns rolled into first place in the Mixed Bowling League last week after big wins over enemies of long standing. The Rollers went past the Mustangs for three, and the R&T team posted four at the cost of the Spare Parts.

The Goofers gained four from the Alley Cats, and the Hits & Misses hit the Twisters for three.

C. R. Lively, Rollers, rolled high singles . . . 198 scratch, and his 214 tied with Ernest Ely, Mustangs, in handicap scoring. Lively's 498 scratch series was high and Charley Gillihan, Goofers, rolled a 602 handicap series.

Virginia Newby, Goofers, rolled a 199 scratch, 249 handicap game . . . and Barbara Hackett, Roses & Thorns, rolled series of 491 scratch, 608 handicap.

The Roses 'N Thorns took team honors all the way . . . singles of 636 scratch, 800 handicap . . . series of 1809 scratch, 2301 handicap.

League standings follow:

Team	W	L
Rollers	8	4
Roses 'N Thorns	8	4
Spare Parts	7	5
Twisters	6	6
Hits & Misses	6	6
Goofers	6	6
Mustangs	4	8
Alley Cats	3	9

Information on TCWP activities may be obtained from Jean Bangham, Oak Ridge telephone 483-9862 or Payne, Knoxville 588-0866.

If you want to clown around, join a circus.



UNION CARBIDE CORPORATION

NUCLEAR DIVISION

P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

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'Secretaries In The Space Age' Topic For Secretaries' Seminar Here Friday

Secretaries in the atomic age will have an opportunity to participate in "Secretaries in the Space Age" at the annual Seminar for Career Secretaries on Friday, September 26. The seminar is organized by the Oak Ridge Chapter, National Secretaries Association, and is aimed toward keeping today's secretaries, stenographers, and other clerical personnel up to date on the latest developments in the clerical field and toward increasing their business acumen.

This year's seminar will be held at the Holiday Inn and will begin at 12 noon with a buffet luncheon honoring the four secretaries in the Oak Ridge area who successfully completed the 1969 Certified Professional Secretary examination. At the luncheon, Rachel Slover, NSA's Tennessee Division President and secretary to L. Hall Jones, president of Joyner, Heard and Jones, Memphis, will present the CPS certificates to Mary Cushman, secretary to P. R. Vanstrum, vice president of Union Carbide's Nuclear Division; Fay Duncan Smartt, secretary to P. M. Wood, Atomic Energy Combined Operations Planning; Sally Jansch, secretary to G. Wilson Horde, chief counsel, Union Carbide Law Department, Oak Ridge Office, and Wilma Housewright, secretary to C. A. Fritts, Jr., purchasing agent, Union Carbide Nuclear Division.

Do You Read Me?

Following the luncheon, Dr. Robert L. Hickey, professor in the Department of English, Tusculum College and formerly on the staff at the University of Tennessee,

will lead off the formal seminar program. In keeping with the theme of secretaries in the space age, Dr. Hickey's talk is entitled "How Do You Read Me—Loud and Clear?"

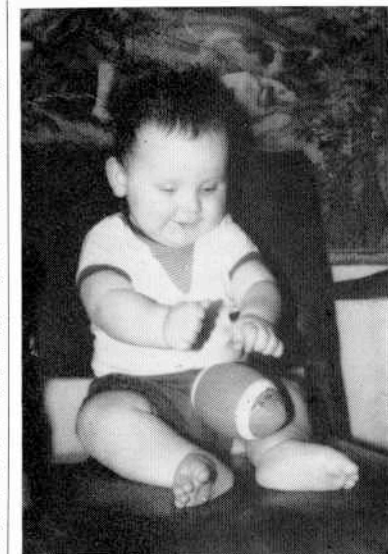
Marie Lehnert, CPS, immediate past member of the Institute for Certifying Secretaries, will be the featured speaker. She is assistant corporate secretary of C. R. Daniels, Inc., Baltimore, Maryland, and is also executive secretary to the president, Arthur L. Hammond. In addition to serving on the Institute, Mrs. Lehnert has served NSA in various capacities from the chapter to the International level. She has taught secretarial administration at the University of Baltimore and has written several articles for *The Secretary*, published by NSA and the only magazine exclusively for secretaries.

Crisis—Tranquility?

The seminar will conclude with a panel discussion "The Sea of Crises or the Sea of Tranquility?" which will be moderated by Dr. Howard B. Hurt, a consulting psychologist for Union Carbide's Oak Ridge plants. Dr. Hurt graduated from Southwestern and received his Ph.D. in psychology at the University of Tennessee where he was later a member of the staff. Panel members will be Ruth Carey, USAEC; Yvonne Lovely, CPS, ORNL; Cora McAfee, CPS, retired; and Lindy Norris, ORNL.

Although NSA's seminars are conducted primarily for career secretaries, all clerical employees are welcome and, indeed, are encouraged to attend. Registration cards may be obtained from Ellen Queener, ORGDP; Margaret Albritton, ORNL; Mabel Tyer, Y-12; Martha Lyle, AEC, president of the Oak Ridge Chapter; Winzle Shockley, secretary to J. B. Scott, attorney; and Bettye F. Burns, seminar chairman. The registration fee of \$5 includes the luncheon and formal program.

Changehouse scuffles can lead to the hospital.



CELEBRATING his first birthday May 29 is Erich N. Schulman, son of Nathan and Carole A. Schulman, Oak Ridge. Schulman is an electronics technician in Maintenance. (Coach Dickey, please take note!)